

Q1) Who are the stakeholders for SBRU? For each type of stakeholder, what subsystems of the SBRU booking system are of particular interest?

A1)- According to the narrative provided, the stake holders for SBRU are shown below:

Operational Managers/Administrators at SBRU (Internal/Executive) - subsystem relevant to this stakeholder are student bookings, resort relations and accounting and finances.

Finance Managers/Accountants at SBRU (Internal/Operational) - subsystem relevant to this stakeholder are student bookings, resort relations and accounting and finances.

Web Developers/Marketing Managers at SBRU (Internal/Operational) - subsystem relevant to this stakeholder are social networking, student bookings, resort relations and accounting and finances.

Students/Customers (External/Operational) – subsystem relevant to this stakeholder are social networking, student bookings and accounting and finances.

Resort Managers (External/Operational) – subsystem relevant to this stakeholder are resort relations, student bookings and accounting and finances.

Q2) Based on the narrative, list at least three main functional requirements for each of the four subsystem?

A2)- According to the narrative provided, the functional requirements for SBRU are shown below

Resort Relations:

- Create a new account with SBRU
- Enter resort information for SBRU website
- Post available dates and prices of their facilities
- View or edit room availability
- Retrieve completed reservations
- Create damage report
- Submit damage report

Student Bookings:

- Create a new account with SBRU
- Enter personal and financial information
- View resort information and available dates
- Make a reservation
- Make a payment for reservation
- Submit damage report

Accounting and Finance:

- Process all made payments
- Correct any payment errors
- Send payout to resorts
- Update all payouts

Social Networking:

- Set visibility to friends
- Chat with friends
- Link up with friends
- Post Comments
- Upload Pictures
- Post comment on individual resort pages
- Upload pictures to individual resort pages

Q3) Discuss at least two non-functional requirements (e.g., usability, performance and security requirements) which you think are important to the system?

A3)- According to the narrative provided, the non-functional requirements for SBRU derived are shown below

Usability - Students should be able to use all types of computer devices, laptops, tablets, and smartphones to make reservations, check their reservation status and connect to friend via social networking. The webpage should be easy to use and understand and should accommodate a wide range of functionalities.

Security – Payments will primarily be done online so security and encryption need to be taken into consideration. Student and Resorts would need different levels of connectivity and authorization. Resorts would need to provide personal, commercial and financial information to create an account with SBRU. This information would in turn be stored in the system servers that need to be protected from hacking and corruption. Students would also provide personal and financial information that needs to protect as well. Access to the website needs to be secure and encrypted. Any information the student provides to the social networking sites needs varying levels of protection based on the user's preferences.